



Faculty Members Receive Awards; Promotions Made

Several faculty members have received promotions and awards recently. A brief resume follows:

Dr. Den Hartog

The appointment of Dr. Jacob P. Den Hartog as head of the Department of Mechanical Engineering at the Institute was announced last month by Dr. C. Richard Soderberg, Dean of Engineering.

Professor Den Hartog, who since 1945 has been in charge of the Division of Applied Mechanics of the department he now heads, is one of the world's foremost authorities in the field of mechanical vibrations.

Dr. Keenan

Dr. Joseph H. Keenan, Professor of Mechanical Engineering here, has been named to receive the Worcester Reed Warner Medal. The award, administered by the Board on Honors of the American Society of Mechanical Engineers, is conferred for an outstanding contribution to permanent engineering literature dealing with progressive ideas in mechanical engineering or efficiency in management.

Dr. Keenan's book, "Thermodynamics," was adjudged by the Board on Honors as "a treatise of permanent value to the engineering profession."

Dr. Gumpertz

Professor Werner H. Gumpertz of the Department of Civil and Sanitary Engineering was elected secretary of the Architectural Engineering Division of the American Society for Engineering Education at the annual meeting at the University of Illinois.

Bob Adams' Band Will Play For Dormitory Dance

The Dorm Acquaintance Dance, featuring the music of Bob Adams and his orchestra, will be held in Morss Hall, Walker Memorial, Saturday, October 2nd, from 8 p.m. to midnight.

Options will be distributed to all dormitory residents this weekend. Only with this option may ticket purchases be made, at the booth in Building 10 or at Morss Hall the night of the dance.

Arrangements have been made to provide girls (admitted free of charge) from many of the metropolitan schools and colleges. It is expected that 500 girls will be guests of the dormitory residents. Refreshments will be served.

Institute Receives Rockefeller Grant For City Planning

A grant to the Institute of \$85,000 from the Rockefeller Foundation will be used for a three-year study, "The Perceptual Form of the City."

Professor Frederick J. Adams, head of the Department of City and Regional Planning, announced the grant yesterday. It will be used, he said, for a study of the visual impact of the "cityscape."

"The project," said Professor Adams, "will develop principles and techniques to be used by architects and city planners in designing a more satisfactory urban environment."

The research made possible by this grant will be conducted under the joint direction of Gyorgy Kepes, Professor of Visual Design in the Department of Architecture, and Kevin A. Lynch, Assistant Professor of City Planning.



Work Progresses on the New Kresge Auditorium

T.C.A. To Hold Fulbright Awards Frosh Meetings Give 800 Chance During Next Week For Foreign Study

The Technology Christian Association will hold its semi-annual smokers next Monday through Thursday, September 27-30, between 4:00 and 6:00 p.m. in Walker Memorial.

A general meeting will be held on Monday, the emphasis Tuesday will be on services, and Wednesday's discussion will center on religious action. These first three affairs, which will be held in the T.C.A. office on the second floor of Walker Memorial, will feature speakers from the Institute.

Thursday's meeting, to be held at 5:00 p.m. in Tyler Lounge, will consider the Boys' Work activities conducted by students in various settlement houses in the Boston area, and will be keynoted by Mr. Angelo Musto, Director of the Good Will House in East Boston.

Pershing Rifles To Hold Smoker Monday Evening

The Pershing Rifle Company will hold a smoker on Monday, September 27, at 5:00 p.m., in the Faculty Lounge of Walker Memorial. A national military fraternity, it participates in a varied course of events, including the annual Armistice Day Parade, sponsored by the American Legion. The company also provides an honor guard for the Military Ball, and marches as a unit in the Military Day ceremonies, during which eleven members and former members of the company received fifteen awards last year. In the spring the company takes part in the Regimental Drill Meet, which last year was held in New York City, and where the company placed third. In addition to regular company drill, there is also an opportunity to participate in a fancy drill team, which performs during intermission at the Military Ball and at the Drill Meet. Along with military activities there are also various informal social gatherings, which in the past have included dinners and dances.

ACOUSTICS SEMINAR

The Tractrix Horn will be the subject of a seminar on Tuesday, September 28, at 4:00 p.m., in Room 20E-225. The speaker will be Professor Robert F. Lambert of the Electrical Engineering Department.

Opportunities for approximately 800 Americans to undertake graduate study or research abroad during the 1954-55 academic year under the terms of the Fulbright Act were announced this summer by the Department of State. Countries in which study grants are available are Australia, Austria, Belgium and Luxembourg, Burma, Ceylon, Denmark, Finland, France, Germany, Greece, India, Italy, Japan, Netherlands, New Zealand, Norway, Pakistan, Philippines, Sweden, Union of South Africa, and the United Kingdom.

Comparable awards under the Buenos Aires Convention are available for Bolivia, Brazil, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Guatemala, Haiti, Honduras, Mexico, Nicaragua, Panama, Paraguay, Peru, and Venezuela.

The Fulbright awards will enable students in all fields of graduate work and those with specialized research projects to study in foreign institutions and universities under renowned professors and specialists.

The grants are made under the Fulbright Act, which authorizes the Department of State to use certain foreign currencies and credits acquired through the sale of surplus property abroad for programs of educational exchange with other nations. Grants are made for one academic year and generally include round trip transportation, tuition, a living allowance and a small amount for necessary books and equipment. All grants under the Act are made in foreign currencies.

Interested Seniors and Graduate

(Continued on page 5)

Dr. James Means Named To Replace Dana Farnsworth

Dr. James H. Means, formerly Chief of Medical Service at the Massachusetts General Hospital and Jackson, Professor of Medicine at Harvard Medical School, has been appointed Acting Medical Director at the Institute.

Dr. Means has been consulting physician on the medical staff of M.I.T. since his retirement from Massachusetts General Hospital in 1951. He will be in charge of all medical services at the Institute until the appointment of a permanent director. He succeeds Dr. Dana L. Farnsworth, who has been appointed Henry K. Oliver, Professor of Hygiene at Harvard University.

Reiley Suggests Overhaul Of Public Relations Comm; Inscomm Studies Commons

Beginning its work for the new school year, Inscomm gathered Wednesday at 5:00 p.m. in Litchfield Lounge for its first meeting.

The agenda consisted primarily of reports on progress over the summer months and of informal discussion on an assortment of new proposals.

Opening the meeting, President Eldon H. Reiley '55 inquired of Hank Salzhauser '57 and Mal Jones '57 concerning the sales of the new Institute tie. The two men lost no time in selling all the ties they had with them to other Inscomm members.

Design Approved For Institute Tie After Long Study

In its program of encouraging school unity and spirit, Institute Committee has approved a design for an all-school M.I.T. tie. It was felt that if an attractive, high quality tie were offered to the student body, the truism that was associated with the old Freshman Tie would be eliminated, and a new symbol established successfully.

The tie itself is a standard four-in-hand rep stripe using the school colors, cardinal and gray. It is made of excellent quality silk, using the unique construction of lining the inside of the tie with the outside material.

The selection was made by a temporary subcommittee of the Institute Committee, under the chairmanship of Malcolm Jones, '57. A large number of students, faculty and alumni were consulted in order to insure an acceptable pattern.

The tie is available to all students for the price of \$2.00. It will be sold for the first two weeks of the term in the lobby of Building 10. Thereafter the tie may be purchased at the Coop for the same price.

ALL-TECH ACQUAINTANCE DANCE

The "All-Tech" Acquaintance Dance annually sponsored by the M.I.T. Catholic Club will be held tonight in Morss Hall. Hal Reeves and his orchestra will furnish the music from 8:00 to 12:00 p.m.

About 500 girls from the Boston area are expected to attend the affair. Refreshments will be served. The price of admission is \$1.25.

Construction And Flood Difficulties Limit Broadcasts

As a result of the recent hurricane the WMIT office was flooded to a depth of six inches, damaging some equipment and causing the station to curtail its activities. Also, the new transmitter for West Campus has been disconnected because of construction difficulties.

When the station began broadcasting activities, on Monday at 7:00 p.m., the new West Campus transmitter was used, but it was then replaced temporarily by a transmitter from East Campus. In about a week WMIT will be back to normal broadcasting activities supplying all dormitory rooms and the three fraternity houses on Memorial Drive with its programs.

The station soon hopes to be able to broadcast to the fraternities in Boston. This prospect is now under consideration with certain fraternities and will possibly be completed sometime this year.

The Executive Committee has proposed a reorganization of the local chapter of N.S.A. to promote closer communication and cooperation between Inscomm and N.S.A. According to the new system, Inscomm would elect the N.S.A. chairman and the delegates to the national convention.

Public Relations

Reiley suggested that the Public Relations Committee also be re-evaluated and possibly overhauled. After discussion the suggestion was tabled pending the further consideration of Institute Committee. Oliver Johns '56 will head a new division of P.R.C. to handle intraschool publicity.

Reiley reported that the Commons Meals program is now being extensively studied, but that no action can be expected on last year's Commons Report for a few weeks.

Because of the removal of Bulletin Boards from Building 10, Inscomm has prepared temporary rules for bulletin publicity. Copies will be available from the Institute Committee office in Walker Memorial.

Morss Hall Now Free

Walker dining room is now available at no charge to any recognized undergraduate activity which will furnish five men to clean up after the function. This new policy was announced recently by the Institute Administration.

Last spring the Institute Committee took on the investigation of the Walker service charge as one of its first official acts. This group succeeded in effecting a compromise with the Institute authorities to lower the service charge for Morss Hall.

However, the administration has now completely eliminated the service charge. Activities desiring information about the new arrangement should contact the Secretariat in the Inscomm office.

\$5,000 Grant

An unnamed source has promised a \$5,000 grant to student government for an all-college conference at Tech next spring. This \$5,000 would be sufficient to pay a portion of the travel costs of the students from all over the United States. This grant would also provide added incentive to come to the conference.

Planning and arranging for the conference is being handled by a committee composed of Glenn Jackson, John Seiler, Dave Brooks, Ron Howard, Bob Morgan, Chan Stevens, Ash Stocker, Harry Schriber, and Eldon Reiley, all members of the Class of 1955.

This week an activities and social calendar for the fall term is being distributed by the Institute Committee to all dormitory and fraternity rooms. This calendar is being financed by the Undergraduate Parking Fund, made up of fines received from undergrads

(Continued on page 6)

TECH HOUSE

The T.C.A. is now accepting applications for fall and spring weekend vacations at Tech House. All student organizations and fraternities are eligible. Applications must be filed at the T.C.A. Headquarters in Walker Memorial before September 27. More complete information may be obtained at the T.C.A. office.

The Tech



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OFFICES OF THE TECH

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Editorial

RETURN TO TECH

By now, the students have already begun to fall back into the old ritual of classes and homework. However, there are a few changes from previous years, some for the better, some for the worse.

A little more than a week ago, the Institute opened the first forty-man suite in the school's history. This spacious and luxurious apartment, designed primarily for freshman occupation, is located in the Walker Memorial Building, on what was formerly the varsity basketball court. This new suite provides excellent opportunities for making new friends; study conditions are excellent. Perhaps the biggest complaint is that the location of the suite interferes with basketball practice.

The Institute Committee has provided a few new changes for which they are to be commended. At long last the school has a reasonably handsome looking school tie, in place of the big red-and-gray monstrosity that freshmen have so staunchly refused to wear in the past. In addition, the Freshman Coordinating Committee is selling a freshman class pin that the frosh should be at least willing, if not proud, to wear. Yet another idea that has been brought to fruit is that of an activities calendar, which has already been distributed in some of the dormitories. We can at least hope to see more done on this line in the future.

The Institute even opened its pocketbook and donated the funds for two of the Athletic Department's long-wanted projects. Last spring, a grant was announced for the purchase of a new basketball court, to be erected in Rockwell cage. More recently, plans have been made public for the construction of an outdoor ice rink, thereby saving our varsity hockey team the trouble of practicing in the early hours of the morning.

There have been other changes about the school. For one thing, Delbert Rhind has been promoted to the position of Assistant Treasurer. Now this is not an exceptional thing, for Mr. Rhind has served the Institute well in his years here, but it is notable for one reason. For several years now, students have been making their tuition checks payable to a rather nebulous figure known only as "D. L. Rhind, Bursar," and not a few of them had the feeling that this unknown personage was slowly siphoning the last penny from their pockets. The mere change to W. A. Hokanson brought some sense of relief to many. This proves little if anything, as undoubtedly the students of the future will feel the same way about Mr. Hokanson as some of us did about Mr. Rhind. Anyway, good luck to both of them in their new jobs.

A familiar face that will be missing this year is that of our former medical director, Dr. Dana Farnsworth, who has departed for Harvard. Dr. Farnsworth has served the school not only as a medical director, but also as a pioneer in the study of student-faculty relations. At present, Dr. James Means is the acting medical director, but he has no plans to remain for any length of time. Dr. Means, who has been brought out of retirement several times already, has announced that he plans to make no changes in the system founded by Dr. Farnsworth. It is reassuring to know that the Institute is now looking for a medical director who is at least as capable, liberal, and constructive as Dr. Farnsworth. It will be a difficult task to find such a man as this, but the search is well worth it, for Dr. Farnsworth certainly contributed much more to the Institute than his mere presence as medical director.

Finally, we take great pleasure in welcoming you back to the start of a new year, a year in which we hope to see some of our more pressing needs satisfied, and many of the sore spots at the Institute eliminated. May we wish the best of success to all of you, from freshman to senior, from professor to lab instructor.

through the mail

Open letter to the class of 1958:

As you probably realize by now, the rivalry between the Freshman and Sophomore classes is now a reality. Saturday night the Purple Shaft was shown you, and you were given the challenge by the class of 1957. You can expect hazing from the sophs from now until Field Day—in both expected and unexpected directions. We will, in turn, expect retaliation in some small degree from the frosh. If and when the frosh get around to activities along this line, it is sometimes customary to grab the Sophomore President. However, the president of the Sophomore class suffered a severe head injury last spring in track, and, although he has returned to school, he is in poor shape to cope with a dozen men trying to make off with him. It is for this reason that I urge you to shift any plans that might come up for the President to the shoulders of a group of sophomores who have unanimously consented to meet all comers. These men are the Q-Club. It is now up to you. The stakes are high, and the Sophomore Class is not accustomed to defeat.

Sincerely,

A. J. R.
 Vice-President
 Class of 1957

September 21, 1954

To the Editor of *The Tech*:

At long last M.I.T. undergraduates have a distinctive emblem. The "beaver" pins placed on sale Monday for the Class of 1958 are designed to take the place of the Senior Ring until the wearer has completed the long haul to his Senior year. It is an attractive piece of jewelry, and one of which any Techman may be proud. First day sales of the pin were gratifying but not spectacular. It is my belief that many people failed to buy a pin because they thought the sales booth to be a concession or because they feared that the pin would bear the stigma long connected with the Freshman Tie.

I heartily agree that a concession booth in the middle of the Freshman registration line would be most unwelcome. In point of fact, the pins were purchased from L. G. Balfour by the Freshman Coordinating Committee and are being sold by members of student government. The few cents profit from each pin goes to finance the Freshman Acquaintance Dance.

The main purpose of the pins, however, is not to bolster Undergraduate Association finances. The report of the Freshman Coordinating Committee, adopted in the spring by the Incomm. states:

"To bind . . . students to one another and to M.I.T., there should be provided a pin which will identify the wearer first as a member of M.I.T. and secondly as a member of his class. No one would be compelled to buy or wear the pin."

Accordingly, the beaver pin is not a mark of freshman status. It is hoped that the people now buying them will wear them for at least three years. If acceptance of the pins is sufficiently great, orders will be placed for pins bearing the numerals of 1956 and 1957.

A few short months ago there was only one officially recognized symbol—the Senior ring—which identified the M.I.T. man. Today there are three: the ring, pin, and new school tie. I sincerely hope that Techmen will be sufficiently proud of this school to display these emblems.

Garry L. Quinn, '56
 Chairman, Freshman
 Coordinating Committee

HILLEL

On Sunday morning, September 26, the M.I.T. Hillel Society will hold a brunch and tea dance in Talbot Lounge in East Campus. The brunch will begin at 10:30 a.m., and will be immediately followed by the dance, at about 12:30. Girls from nearby schools have been invited.

campus footnotes

by Everett H. Trop '57

Perhaps the greatest influence on Freshmen is exerted by Professor Hans Mueller of the Physics department, who for several years has been in charge of the Freshman course and for a great many years has been a lecturer. His association with the Institute extends over the past twenty-nine years.

"Fabulous" is the only word which approaches adequacy in describing his lectures, and this is recognized not merely by the students but by such leading newspapers as the *Christian Science Monitor* as well. His rollicking style and marked accent, together with his unusually keen sense of humor have caused Freshmen for many years to double up with mirth. His "performances" maintain the attitude of a virtuoso, the humor of a leading comedian, the speed of an express train, and the drama which comes with the revelation of some heretofore unknown

fact, the rediscovery of some long-forgotten natural law by which both Herr Mueller and his students, for in every lecture he relives the thrills of invention, experimentation, and discovery with each of his students.

Dr. Mueller has stated that his idea of a Physics lecture includes: filling the huge blackboards, forty feet in length, with equations at what appears to be fantastic speed to the uninitiated observer; leaping from one spot to another as he utilizes the experimental equipment, addressing the front rows as he elaborates an important point; dashing back to the board to jot down a new set of figures or formulae; laughing with his pupils as one of his planned jokes succeeds.

Dr. Mueller has taught most of the undergraduate and many of the graduate physics courses. His specialty is the field of Optics, and he is renowned the world over for his work in this area.

The Freshmen will little note nor long remember what has been said here, but they will never forget what he does in Room 10-250.



On Campus with Max Shulman

(Author of "Barefoot Boy With Cheek," etc.)

FOOTBALL THROUGH THE AGES

The football frenzy is upon us. But let us, in the midst of this pandemonium, call time. Let us pause for a moment of tranquil reflection. What is this game called football? What is its history? Its origins? Its traditions? These are not idle questions, for when we have the answers we will appreciate even more fully, enjoy even more deeply, this great American game of football.

First of all, to call football an American game is somewhat misleading. True, the game is now played almost exclusively in America, but it comes to us from a land far away and a civilization long dead.

Football was first played in ancient Rome. Introduced by Julius Caesar, it became one of the most popular Roman sports by the time of Nero's reign. The eminent historian Sigafoos reports a crowd of MMCLDDXVIII people at the Colosseum one Saturday afternoon to see the Christians play the Lions.

With the decline of the Roman empire football fell into disuse. The barbaric Huns and Goths preferred canasta. However, by the Twelfth Century A.D. football had emerged from its twilight and risen to its rightful place in the firmament of European pastimes. The eminent historian Sigafoos reports that the whole continent was in the grip of wild excitement in the year 1192 when the Crusaders, under Freddie Barbarossa, journeyed all the way to Damascus to play the Saracens in the Fig Bowl game. The Crusaders squeaked through, 23 to 21, on a field goal by Dick Coeur de Lion in the closing seconds of the game.

October 21, 1512, will ever remain a red letter day in the history of football. On that day Leonardo da Vinci, who has often been called "The Renaissance Man" because of his proficiency in a hundred arts and sciences, was painting a picture of a Florentine lady named Mona Lisa Schultz. "Listen, Mona baby," he said as she struck a pose for her portrait, "I keep telling you—don't smile. Just relax and look natural."

"But I'm not smiling," she replied.

"Well, what do you call it?" he said.

"Gee, I don't know," said Mrs. Schultz. "It's just an expression, kind of."

"Well, cut it out," said The Renaissance Man.

"I'll try," she promised.

And try she did, but without success, for a moment later the artist was saying to her, "Look, Mona kid, I'm not gonna ask you again. Wipe that silly grin off your face."

"Honest to goodness, The Renaissance Man," said she to him, "it's no grin. It's just the way I look."

"Well, just stop it," said Leonard testily and turned away to mix his pigments.

When he turned back to Mona Lisa and saw the smile still on her face, he became so enraged that he seized the nearest object—a casava melon, as it happened—and hurled it at her with all his strength. Showing great presence of mind, she caught the melon and ran with it from the studio until The Renaissance Man's temper should cool.

This was, of course, the first completed forward pass.

Another date dear to the hearts of all football fans is September 29, 1442. It was on this date, according to the eminent historian Sigafoos, that a sixteen year old lad named Christopher Columbus tried out for the football team at Genoa Tech. He failed to make the team because he was too light. (He weighed at that time only 12 pounds.)

And why, you ask, is this date—September 29, 1442—so dear to the hearts of all football fans? Because young Columbus was so heartbroken at not making the team that he ran away to sea. And if that hadn't happened, he never would have discovered America. And if Columbus hadn't discovered America, the world never would have discovered tobacco. And if the world hadn't discovered tobacco, football fans never would have discovered Philip Morris—which, as every fan knows, is the perfect companion to football. As Sigafoos, the eminent historian, says, "Land's sakes, I can't even imagine football without Philip Morris. I'd sooner go to a game without my raccoon coat than without my neat, rich tobacco-brown snap-open pack of mild vintage Philip Morris Cigarettes which come in regular or king-size at prices young and old can afford. Land's sakes!"

The end of football in Europe came with the notorious "Black Sox Scandal" of 1587, in which Ed Machiavelli, one of the Pisa mob, paid off the University of Heidelberg Sabres to throw the championship game to the Chartres A. and M. Gophers. It was a mortal blow to football on the continent.

But the game took hold in the American colonies and thrived as it had never thrived before. Which brings us to another date that remains evergreen in the hearts of football lovers: December 16, 1771.

On that date a British packet loaded with tea sailed into Boston harbor. The colonies had long been smarting under the English king's tax on tea. "Taxation without representation," they called it, and feelings ran high.

When on December 16, 1771, the British ship docked at Boston, a semi-pro football team called the Nonpareil Tigers, coached by Samuel (Swiftly) Adams, was scrimmaging near the harbor. "Come, lads," cried Swiftly, seeing the ship. "Let's dump the tea in the ocean!"

With many a laugh and cheer the Nonpareil Tigers followed Swiftly aboard and proceeded to dump the cargo overboard in a wild, disorganized and abandoned manner. "Here now!" called Swiftly sharply. "That's no way to dump tea overboard. Let's get into some kind of formation."

And that, fans, is how the "T" formation was born.

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TECHNOLOGY STORE

**Writer Cites MTA
As Rapid, Cheap,
And Confusing**

To an entering student, the Metropolitan Transit Authority, better known as the MTA, is a most confusing system of transportation. There is some basic information, however, known to the Upperclassmen of MIT. The 20 cents subway fare can be paid in cash, or with tokens that can be purchased at the station change booths. These tokens can also be bought at a discount if one buys five tokens for the price of 90 cents. These fares permit you to ride the entire length of any system by transferring to other cars. For 13 cents you can ride to the end of any one bus line or trackless trolley, but you cannot change without further compensation.

Swearing at the M.T.A.'s policy of cutting the number of runs after 1 a.m. can be prevented by writing to M.T.A., Park Street Station, Boston, and asking for their "Schedule of 'Owl' Service." This procedure is strongly advised. There are also maps of the M.T.A. system in all stations and at the TCA.

If you still feel perplexed at the M.T.A., do not scrap it altogether. It is still the fastest and least expensive means of transportation in Boston.

As an example of what you can do after mastering the system, here is a trip undertaken to one of Boston's landmarks. You may have noticed a large Washington Monument type affair east of Tech. This is the monument commemorating the Battle of Bunker Hill. It is 221 feet high and affords a good view of Boston Harbor. You can get to the monument by taking the trackless trolley to Mass. Station. Change here and go to Haymarket Square. Transfer here to the Everett Station Elevated and ride to City Square. At City Square you can hop on the Bunker Hill bus which takes you to your destination.

The M.T.A. can also help you for those weekend meals. Boston offers a wide variety of eating places to satisfy the most discriminating gourmets. For

after hours

by Bjorn A. Rossing '56

DANCES

FRIDAY, SEPTEMBER 24

M.I.T.—Baker House is having its Annual Fall Acquaintance Dance tonight at 8 p.m. Two hundred and fifty visiting females, plus, will entertain Baker House residents and their guests in the "Indoor Colosseum". Crushed toes will be soothed with popular band music and soft lights. Freshmen are again advised to bring maps of the Boston area. Admission 50c.

M.I.T.—The combined West Campus Student Dining Staff will roof its first record "swing" for this term, tonight, at the Graduate House Campus Room. The dance is free to all staffmen and their guests. Refreshments will include the popular "Dining Staff Mountain-Dew Punch." Dancing from 8-12.

M.I.T.—the Annual All Tech Acquaintance Dance sponsored by the Technology

the uninitiated, The Tech offers the following list of time-proven establishments as well as a few of the places featuring entertainment and dancing.

Famous for Food

Durgin-Park—Perhaps the most famous of the unusual dining spots in New England. Everyone eats at long tables elbowing with butchers and college professors. You have to shout to be heard, and the waitresses take no back talk. Prices have gone up here too, but you get the largest steak or roast beef that you've seen for the money. Other dishes more reasonably priced. Take trolley from Park St. to Adams Square and ask for directions from that point on.

Boraschi's—Located in the cellar of a rather dilapidated edifice at 21 Corning St., just south of the Broadway-Washington St. intersection. Excellent food with dinners in the neighborhood of \$3.00. Known for the "Grotto" and enjoyable piano player.

Newbury Steak House—There's an upstairs and downstairs to this place but the food is about the same in either. Prices in lower restaurant a bit cheaper. In our opinion, it's the best meal for the price you can find. A good steak dinner comes to less than \$2.00, and although you could probably eat more, you don't go away too hungry. A short walk from Mass. station along Newbury St. A new and bigger branch recently opened on Massachusetts Ave. just north of Newbury St.

Lloyd's Steak House—Take trolley to Boylston and walk down Tremont to Stuart and thence to number 42. Rather high-priced but excellent food

Catholic Club will begin at 8 p.m. in Walker's Morris Hall. Hal Reeves will supply the passion music if you supply the \$1.25 admission. Refreshments included also!

Hotel Lenox—will house "The Vacationers Club Dances" tonight and tomorrow night. Jimmy Magg's Band will be featured with Dapper Billy Tibbets at the piano.

SATURDAY, SEPTEMBER 25

Simmons—will hold its "mad-jammed" Acquaintance Dance tomorrow night at the Boys Latin School Gym. If you plan to go, wear your lightest summer suit and take a towel with you. Parking accommodations are very good, and there is a Howard Johnson's on Huntington Ave. that will be open after the dance. Another late eating spot is Jack and Marion's near Coolidge Corner. Good Luck!

Hotel Beaconsfield—the Carlton Club, a college acquaintance dance association, is presenting another of its dances tomorrow evening at 1731 Beacon Street, Brookline. Hal Donehey's Orchestra will entertain you for \$1.25. Newcomers should bring their school registration cards with them. Dancing 8-12.

SUNDAY, SEPTEMBER 25

M.I.T.—the B'nai B'rith Hillel Foundation is sponsoring an informal brunch and dance for its new members Sunday morning at 10:30 a.m. Talbot Lodge, East Campus.

in a quiet atmosphere. Dinners start in the neighborhood of \$2.75.

Locke Ober—Famous for their high prices. If your family is in town and you want to eat a lot of the absolute best take them to 3 Winter Place. Just remember, forget the cost and start eating.

Jake Wirth's—Located a stone's throw from Lloyd's. Beer hall atmosphere, famous for good food and "Jake's Special Dark Brew." Sauerbraten, knackwurst, etc., available for around \$1.50.

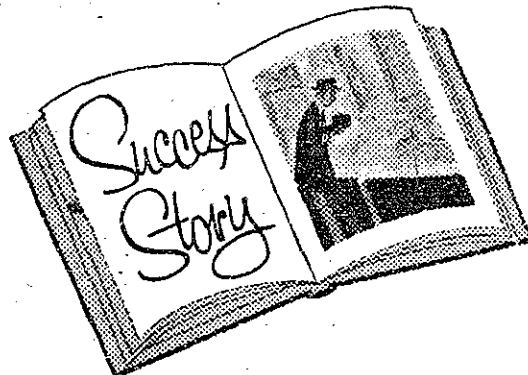
Viking Restaurant—If it's Smogabord you're looking for, drop in at 442 Stuart St. Prices around \$2.50 a person for dinner.

Union Oyster House—Excellent lobster and other sea food delicacies for about \$3.00. Plenty of seafaring atmosphere with stalls and oyster bar sitting where they were in 1826. Three restaurants at 41 Union, 143 Stuart, and 124 Canal Streets.

Simeone's—The nearest decent restaurant to Tech if you like Italian-style food or steaks. Located on Brookline Ave., one block from Mass. Ave., near Central Square, Cambridge. Prices hover between \$1.00 and \$1.50, and although there is no variety from week to week, the food is good and well worth the price.

Five and Drum Room—Located in the Hotel Vendome, near Copley Square. There's a minimum after 9.00

(Continued on page 6)



...AND HOW IT STARTED

DOUGLAS LEIGH says: "After leaving the University of Florida (where I'd sold yearbook ads), I had big, crazy ideas about making new kinds of spectacular displays. So I bought a Brownie and went to New York to photograph rooftops. My first sign was a huge, steaming coffee cup on Broadway. At age 23 I was starting to learn an exciting business!"

START SMOKING CAMELS YOURSELF!

Make the 30-day Camel Mildness Test. See how Camels give you more pure pleasure! See for yourself why Camels' cool mildness and rich flavor agree with more people than any other cigarette!

R. J. Reynolds Tobacco Company, Winston-Salem, N. C.

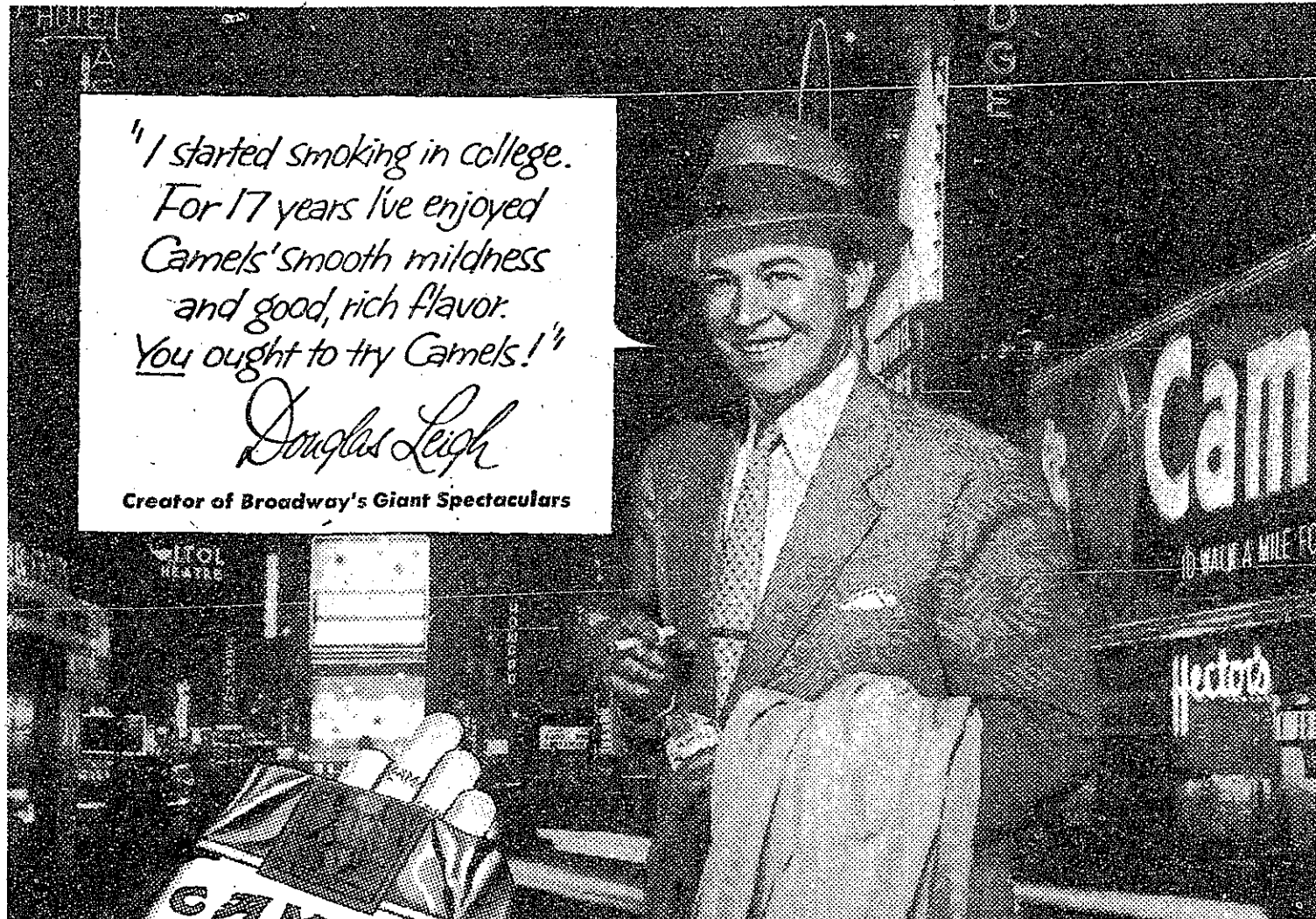


SUCCESS STORY: Camels—America's most popular cigarette... by far!

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Douglas Leigh

Creator of Broadway's Giant Spectaculars



for Mildness...for Flavor...

CAMELS

AGREE WITH MORE PEOPLE THAN ANY OTHER CIGARETTE

Sailors Defend Lipton Cup; Defeat Strong Oxford Bid

The Engineer varsity sailing team walked off with intercollegiate sailing this summer tucked firmly in their collective pockets by taking both the Morss Trophy, emblematic of the national yacht racing championship, and the Sir Thomas Lipton Trophy, given to the top team in the United States and England.

Last June in Newport Harbor, California the Beaver squad consisting of Horacio "Ted" Garcia '54, John Rieman '54, Alain deBere '55, and George Dena '54 defeated the arch-rival Harvard fleet and copped the national championship for the eighth time since 1937. Scores for the regatta were: MIT 216, Harvard 210, U.C.L.A. 196, King's Point 189, George Washington 186, University of Washington 184, Ohio State 120 and Purdue 101.

Last weekend on the Charles, the Engineers successfully defended the Lipton trophy against the challenging Oxford University delegation. The Tech team consisting of: deBere, Fred Brooks '55, Nicholas Newman '56 and Jim Simmons '55, Paul Goldan '55 and Charles Robertson '55 won the right to defend the trophy by defeating Rhode Island, Brown and Harvard in a series of eliminations held on the Charles, September 14.

By previous agreement the MIT-Oxford Lipton Cup meet winner was to be determined by the best five out of nine basis. In the first race the Beavers recovered from a bad start and things looked good when Brooks crossed the line first with deBere and Newman following Oxonian Dave Thorpe, but Brooks, in an attempt to stay clear of Thorpe, fouled the finish marker and the race went to the challengers 20-15. In the second race, Tech rallied and with the opponents paired off and the Beaver sailors on top in each pair, Tech was victorious 21-18. In the third race both Oxonian Chris Hordern and Engineer Newman fouled out. deBere and Brooks took first and second to give the Beavers a 20-16 edge in points and a 2-1 edge in the series. In the fourth race the Engineers were most impressive as deBere took his second straight race. Brooks took second and Newman followed behind Oxford captain Jeremy Thomas. At this point, with MIT leading 3-1 and needing only two more wins for a successful defense of the Cup, activities were curtailed until Sunday afternoon.

Sunday's weather was disappointing but the Tech showing was not as the fleet placed first, second, and fourth for a 23-16 win. The sixth and final race, however, was a different story. Oxford took an early and impressive lead and maintained it for the first two-thirds of the race.

At this point the Beavers pulled some fancy tactics which gave them second, third, and fifth places, their fifth race, victory, and possession of the Lipton Trophy.

Outlook Excellent In Cross-Country; Frosh Rally Fri.

Four lettermen and five out of the top seven men from the cross-country squad that finished third in New England last year are returning to Tech and will compete this season. While number one man Jack Farquahr has graduated the second and third men, Ray Smith and Dave Palamoutain, both Juniors, have returned. Along with them Capt. Larry Berman, and Stu Bangston, Seniors, Jack Buell, Harry Schreiber, and Pete Corn, Juniors, have returned.

Sophs Promising

Also trying for starting slots on this year's squad will be a fine collection of Sophomores led by last year's freshman athlete-of-the-year, Bob Solenberger. Dick Wake, Pete Carberry, Dave Vaughn, and Andy Carlson comprise the rest of this promising second-year contingent.

The Varsity's first meet will be against Tufts College on October eighth.

Freshman Track Rally

In line with this track news is the announcement of the combined track cross-country Freshman rally. It will take place on Friday at five o'clock.

Speakers will probably be Oscar Hedlund, track coach, Arnie Arnesen field coach, Bill Antoine, President of the track club, Warren Latoff Captain of the track team, and Larry Berman, captain of the cross-country squad. They will try to point out the advantages to be gained by becoming a member of the track team. Remember, freshmen, there are men needed for the big race on field day.

Practice Set For Field Day Game; Prospects Bright

The freshman and sophomore football teams started off their pre-season practices on a strong note. Thirty sophomores, including almost all of last year's Field Day team, turned out for the rally held Wednesday in Briggs Field House. Dave Scott, '55 will be the coach of the squad. The squad is considerably larger than last year's soph outfit which turned back the class of '57 rather handily. If numbers are any indication, this year's soph team should prove worthy of the stiff schedule mapped out for the '57 men. They will open three weeks from now against the traditionally strong Boston Latin team and will face Tabor Academy a week later as they prepare for the traditional game against the frosh Field Day. Tony Vertine, mammoth lineman from the midwest, is expected to bulwark the '57 line. Returning sophs include Mike Brenner, Ed Vaughn, Scott Loring and Harry Flagg, sidelined last year with a leg injury. Newcomer Tony Ryan should help.

FALL SPORTS SCHEDULE

Varsity Cross Country
Home Meets at Franklin Park

OCTOBER

Sat. 9	Tufts	2:30 P.M.
Sat. 16	Univ. of Mass.	2:30 P.M.
Sat. 23	Univ. of N. H.	2:30 P.M.
Sat. 30	Tufts-Northeastern	2:30 P.M.

NOVEMBER

Mon. 8	NEICAAA	2:00 P.M.
Mon. 15	ICAAA-NYC	3:00 P.M.

FRESHMAN CROSS COUNTRY

Home Meets at Franklin Park

OCTOBER

Sat. 9	Tufts	2:00 P.M.
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(Continued on page 5)

COLLEGE

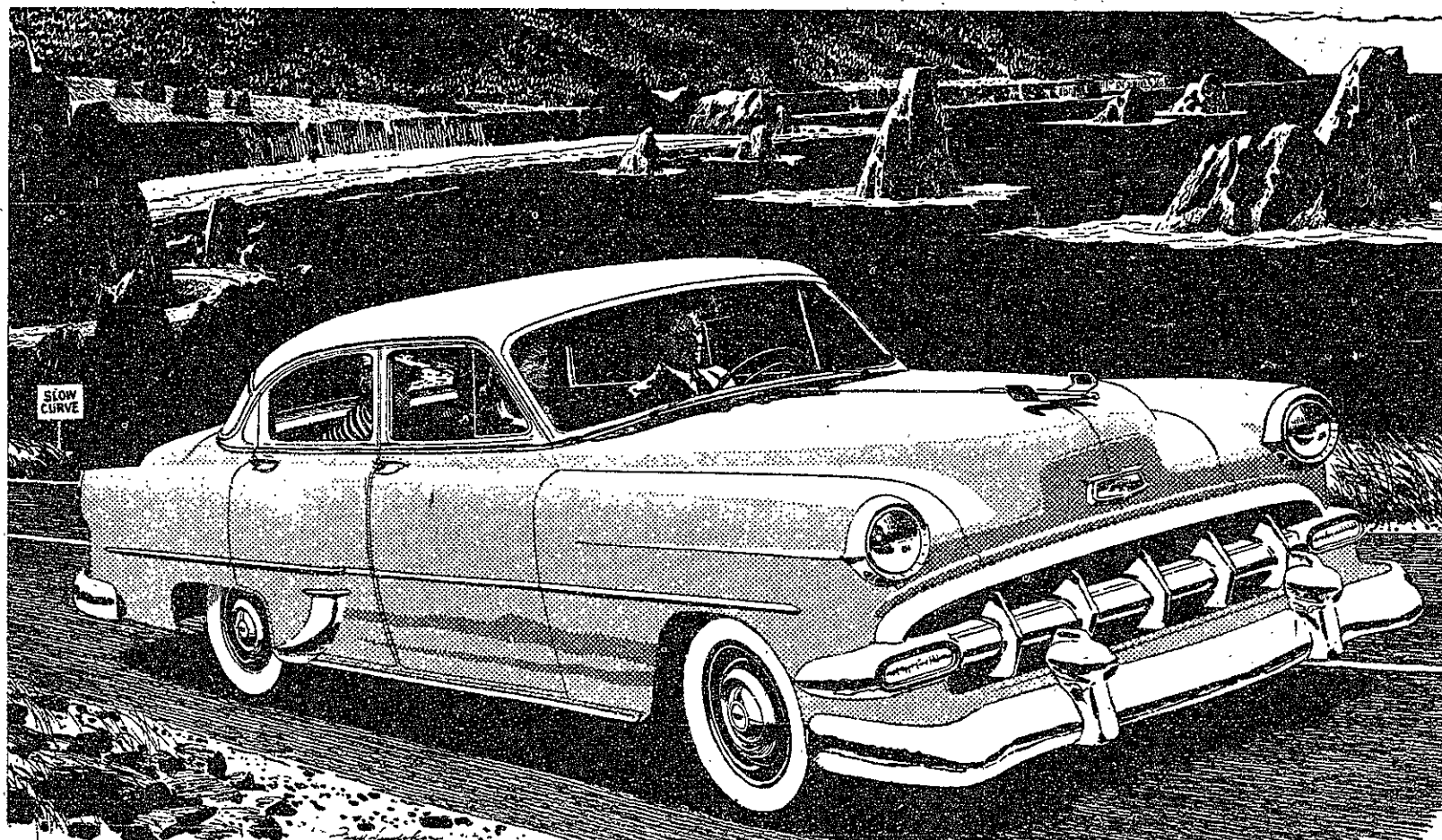
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and the only Unitized Knee-Action ride in the low-price field. They're all yours in Chevrolet!

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Even so, Chevrolet is priced below all other lines of cars. And at trade-in time, you'll be ahead again from Chevrolet's traditionally higher resale value.

You'll get a special deal right now
Right now, we're in a position to give you the deal of the year on a

new Chevrolet. Come in and let us show you how much you'll gain by buying now!

Now's the time to buy!
Get our big deal! Enjoy a new . . .

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- Special Checking Account
- Register Checks
- Savings Accounts
- Safe Deposit Boxes
- Foreign Exchange
- Travelers Cheques

"Don't Shoot!"



From recent Student Council minutes:

CHAIRMAN: Next we come to the problem of the appalling dressing-habits of our freshman. We have noted such unorthodox attire as long-point collars, garishly colored shirts, some actually made of dotted swiss!

SCH. OF MUSIC REP.: Definitely not in harmony with our standards.

JOURNALISM REP.: To corn a phrase, they ain't on the ball team.

SCH. OF LOGIC REP.: Why not shoot 'em?

MED. SCHOOL REP.: Great idea! I'll work up a "Good Taste" serum, refined from some Van Heusen Oxfordian shirts. We'll inoculate 'em all!

PHILOSOPHY REP.: Who cares!

LAW SCHOOL REP.: (Happily) Yeah, inoculate 'em. Then maybe some of 'em will get sick, and I...

JOURNALISM REP.: Now let's don't go all around Red Robin Hood's barn... what we need is a campaign to tell 'em about the Oxfordian... the silky, smooth oxford shirts with the smart, modern collar styles.

BUS. ADM. REP.: And don't forget... fine long-staple cotton, woven tighter to last longer... at the amazing price (thanks to excellent production facilities) of only \$4.50.

JOURNALISM REP.: I think we got the gem of an idea here somewhere... but first off the bag, we gotta...

MED. SCHOOL REP.: Inoculate 'em.

LOGIC REP.: Yeah, shoot 'em.

CHAIRMAN: All in favor of mass inoculation say Aye. (MOTION CARRIES.)

JOURNALISM REP.: Maybe some of 'em already wear Van Heusen Oxfordians. Don't shoot 'til you see the whites of their shirts...

ART SCHOOL REP.: ... and the colors! Don't forget Oxfordians come in the smartest colors this side of a Bonnard or a Klee.

PHILOSOPHY REP.: (eating Tootsie-roll) Who cares!

Schedule

(Continued from page 4)

Sat.	Univ. of Mass.	2:00 P.M.
Sat.	Univ. of N. H.	2:00 P.M.
Sat.	Northeastern	2:00 P.M.
NOVEMBER		
Mon. 8	NEICAAA	1:30 P.M.
Mon. 15	ICAAAAA-NYC	2:30 P.M.
	VARSITY SOCCER	

OCTOBER		
Sat. 9	Boston University	2:00 P.M.
Tues. 12	Brandeis	4:00 P.M.
Sat. 16	Amherst	2:00 P.M.
Wed. 20	Tufts	4:00 P.M.
Sat. 23	Brown	12 Noon
Wed. 27	Harvard	3:30 P.M.
Sat. 30	Univ. of Conn.	12:30 P.M.
NOVEMBER		
Sat. 6	W.P.I.	2:00 P.M.
	FRESHMAN SOCCER	

OCTOBER		
Fri. 8	Medford High	3:30 P.M.
Wed. 13	Tufts	4:00 P.M.
Tues. 19	Harvard	3:45 P.M.
Sat. 23	Brown	10:00 P.M.
Sat. 30	Univ. of Conn.	10:30 A.M.
NOVEMBER		
Sat. 6	Andover Academy	2:30 P.M.
	VARSITY SAILING	

SEPTEMBER		
Sat. 18-Sun. 19	Denmark Trophy Regatta	
OCTOBER		
Sat. 2	MIT, McGill, Vermont, Midl'bury	
Sun. 3	Jack Wood Trophy	
Sat. 9	Heptagonal Ravens-New London	
Sat. 10	Coast Guard Quadrangular	
Tues. 12	Oberg Trophy	
Sat. 23	Associate Member Championships	
Sat. 23	Quadrangular at Middlebury	
Sun. 24	Hoyt Trophy	
Sun. 24	Team Racing Quadrangular	
Sat. 30-Sun. 31	Schell Trophy	
NOVEMBER		
Sat. 6-Sun. 7	Fowle Trophy	

Note: Heavy Type Indicates Home Events

Tech Lights Win Henley-Victors In Four Day Meet

Perhaps the most lustrous of the achievements of Tech teams this past year was the victory of the light-weight crew in the Royal Henley Regatta.

Intercollegiate Titleists

As a fitting reward for an excellent season, which saw the Beavers lose to Harvard by the narrowest of margins in their first race and then come on to whip every major lightweight crew in the country, the team, Intercollegiate Champions, was invited to represent American colleges in the Thames Challenge Cup of the world famous Henley Regatta.

The cup races consisted of a series of dual races, spread over a period of four days, with a single race each day. Festivities also included races in single and double sculls, and four and eight man heavyweight crews.

Killian Watches

By the end of the first day, the M.I.T. crew, cheered on by President Killian, had turned in an easy victory in their heat and was the only American team remaining in the entire regatta. Two additional victories, including a decisive victory over a Bristol College crew, brought the Tech lights into the finals against a magnificently trained Royal Air Force eight.

Win Handily

The Beavers, stroked ably by Val Skov '55, rowed a strong, carefully-planned race. Trailing the British crew by half a length for the first hundred yards, the Engineers slowly pulled even and with a tremendous effort went into the lead at the half-way mark. At this point the duel ended and the Techmen, concentrating on increasing their lead, capped the race with a fiery finishing sprint to win handily.

Fulbright

(Continued from page 1)

Students presently enrolled at the Institute may obtain application forms and further information from David A. Dudley, Fulbright Adviser in Room 3-108, the Admissions Office. The closing date for receipt of applications from the Fulbright Adviser is October 15.

M.I.T. students have received in the past six years over seventy awards for study abroad under the Fulbright Act, including the following appointments for this year (1954-55): Miss Carolyn Cohen, United Kingdom; Martin H. Cohen, Italy; Hans W. Julius Courant, France; Ezra D. Ehrenkrantz, United Kingdom; Edwin G. Eigel, Germany;

James C. Emery, United Kingdom; Sanford Greenfield, France; Edward H. Jacobsen, France; Lee Karney, Germany; Justin E. Kerwin, the Netherlands; Kenneth E. Kruger, Italy; Nicholas G. Markoff, Germany; Rai Yukio Okamoto, Italy; Ronald L. McKay, Germany; Bernard Rothzeit, Italy; Lee Segel, United Kingdom; Paul D. Spreiregen, Italy; David A. Stevenson, Germany; Michael Thikham, United Kingdom; John Williams, Finland.

APARTMENT FOR RENT

Immaculate, sunny, 3 bedrooms, living room, kitchen, bath, new single beds, automatic heat, electricity, frigidaire, gas stove, dishes, etc., desks; \$12. Can accommodate 4 with 4 beds; \$10. Students or two couples. Until June 15. Tel. UN 4-0886.

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Special Steak	\$1.19
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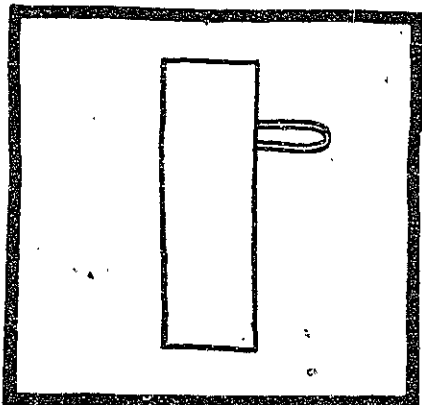
(Between Central and Harvard Squares)

STUDENTS!

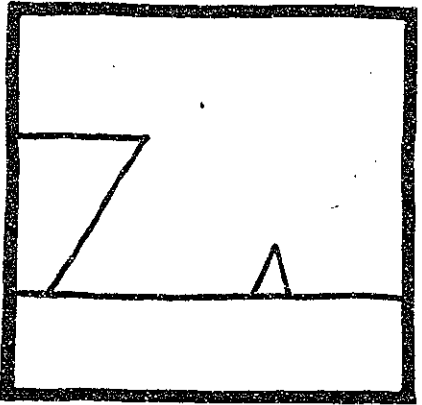
Got a Lucky Droodle in your noodle?

SEND IT IN AND

MAKE \$25



MAN PLAYING TROMBONE IN TELEPHONE BOOTH



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Want to pick up \$25? Make up a Lucky Droodle and send it in. It's easy.

If you want to find out just how easy it is, ask Roger Price, creator of Droodles. "Very!" Price says. Better yet, do a Droodle yourself, like the ones shown here.

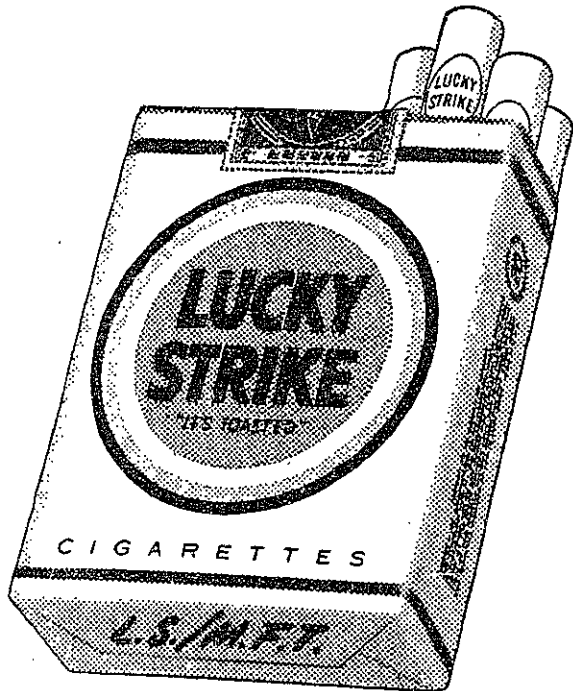
Droodle anything you like. And send in as many as you want. If we select yours, we'll pay \$25 for the right to use it, together with your name, in our advertising. We're going to print plenty—and lots that we don't print will earn \$25 awards.

Draw your Droodles any size, on any piece of paper, and send them with your descriptive titles to Lucky Droodle, P. O. Box 67, New York 46, N. Y. Be sure your name, address, college and class are included.

While you're droodling, light up a Lucky—the cigarette that tastes better because it's made of fine tobacco... and "It's Toasted" to taste better.

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Varied Religious Activities Present In Boston Region

Many students of the Institute have expressed an interest in religious activities. Such students will find ample opportunity in the area around the Institute to attend church or pursue other religious activities. The following is a list of churches and synagogues convenient for student use:

University Lutheran Church, corner of Dunster and Winthrop Streets, Cambridge; First Church in Cambridge (Unitarian), Harvard Square; First Church in Cambridge (Congregational), Garden and Mason Streets; Church of the New Jerusalem, Kirkland and Quincy Streets, Cambridge; Christ Church (Episcopal), Cambridge Common; Religious Society of Friends, 5 Longfellow Park, Cambridge; Harvard-Epworth Methodist Church, 1555 Massachusetts Avenue, Cambridge; Old Cambridge Baptist Church, Massachusetts Avenue and Harvard Street; St. Paul's Church (Roman Catholic), Arrow and De Wolfe Streets, Cambridge; First Church of Christ, Scientist, Massachusetts Avenue and Waterhouse Street, Cambridge; Temple Ashkenaz (Orthodox), 8 Tremont Street, Cambridge; Temple Ohabei Shalom (Reformed), 1187 Beacon Street, Brookline; Congregation Kehillath Israel (Conservative), 384 Harvard Street, Brookline.

E. Reiley Attends NSA Convention On Student Gov't

This summer, the Institute was represented at the fourth annual Student Body Presidents Conference by Eldon H. Reiley, '55, president of the Undergraduate Association. This conference, held at Ames, Iowa, brought together student leaders from over one hundred colleges for a four-day workshop on campus government problems. It was sponsored by the National Student Association, a student federation representing more than three hundred colleges.

Incomm

(Continued from page 1)

for parking violations.

Eldon Reiley, president of the Undergraduate Association, has announced the appointment of Dave Scott, '55 and Larry Berman '55, to a special committee formed by President James R. Killian, Jr. to study the scheduling of the new skating rink now being built on West Campus. The committee will report to President Killian by November 15, the target date for completion of the rink.

M. T. A.

(Continued from page 3)

p.m., but it's quickly used up in a drink or two. Band is small and so is the dance floor. Usually a college crowd.

Terrace Room, Hotel Statler—An excellent band and intriguing atmosphere make this worth the \$1.00 cover charge. You can make an evening of it for less than \$5.00 a couple provided you don't eat anything.

Latin Quarter—Plushiest night club in Boston and one of the few with a floor show. At 46 Winchester Street. Bring your bank account with you because the minimum is \$4.00 per person.

The Eliot Lounge—On Mass. Ave. just the other side of Commonwealth. Concentrates on soft lights and music, comfortable seats, good drinks, and fairly low prices. Before 8.00 p.m., all drinks are \$.39.

The Meadows—A huge, rather antiseptic dine and dance place on the Worcester Turnpike about 17 miles from Boston. A full meal will cost plenty, but you can get by for less by sitting in the Lounge.

Blinstrub's Village—Not much on the outside, but one of the classier spots inside. \$2.00 minimum per person on weekdays, \$3.00 on Saturdays. Better known stars appear here fairly regularly, but a Patti Page or a Frankie Laine raises the minimum to \$4.50. Dinners start at \$2.25. At 304 Broadway in South Boston.

Hillel To Sponsor Varied Services At Local Colleges

This year the Hillel Societies of the Greater Boston Area are cooperating in holding three different types of services for the Jewish High Holy Days. A traditional (Orthodox) service is to be held at Phillips Brooks House in Harvard Yard; a Conservative service at the Boston University B'nai B'rith Hillel House, 233 Bay State Road, Boston; and a liberal (Reformed) service in the First Parish Church in Harvard Yard.

The schedule for the Rosh Hashanah (New Year) services is as follows:

Monday, September 27:
Traditional—5:00 p.m.
Conservative—7:30 p.m.
Liberal—8:00 p.m.

Tuesday, September 28:

Physics Research Fellowship Given To Richard Lyon

The Owens-Corning Fiberglass Corporation Fellowship in Acoustics has been awarded to Mr. Richard H. Lyon for graduate studies at the Institute. Under this fellowship Mr. Lyon will continue acoustical research directed to his thesis for the

Traditional—10:00 a.m. & 5:00 p.m.

Conservative—10:00 a.m.

Liberal—10:00 a.m.

Wednesday, September 29:

Traditional—10:00 a.m.

Conservative—10:00 a.m.

The schedule for the Yom Kippur (Day of Atonement) services will be published at a later date.

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degree of doctor of philosophy in physics, for which he has already completed the qualifying examinations.

His undergraduate years were spent at Evansville College, where he received the degree of bachelor of arts in 1952.

In 1952 Mr. Lyon entered M.I.T. as a graduate student in the Department of Physics and received a Research Assistantship under which he

has worked in the Acoustics Laboratory. His research work has included a detailed investigation of the response of a piezoelectric plate to a localized driving force. Mr. Lyon has contributed a new mathematical solution for the vibration amplitudes in a driven plate and has studied the motions experimentally by means of an ingenious technique involving the observation of optical interference fringes.

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